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Set	Items	Description
? E	AU=CERQUETTI , M?	

Ref	Items	Index-term
E1	1	AU=CERQUETTI , M C.
E2	2	AU=CERQUETTI , M
E3	0 *	AU=CERQUETTI , M?
E4	2	AU=CERQUETTI , MARI A C.
E5	1	AU=CERQUETTI , MARI A CRI STI NA
E6	49	AU=CERQUETTI , MARI NA
E7	51	AU=CERQUETTI , MC
E8	10	AU=CERQUETTI , MC*
E9	4	AU=CERQUETTI , MCRI STI NA
E10	2	AU=CERQUETTI , MO
E11	1	AU=CERQUETTI , P.
E12	1	AU=CERQUETTI NI C

Enter P or PAGE for more

? S e1- E8

1	AU=CERQUETTI , M C.
2	AU=CERQUETTI , M
0	AU=CERQUETTI , M?
2	AU=CERQUETTI , MARI A C.
1	AU=CERQUETTI , MARI A CRI STI NA
49	AU=CERQUETTI , MARI NA
51	AU=CERQUETTI , MC
10	AU=CERQUETTI , MC*

S1 116 E1- E8

? S S1 AND ((DIFFI CI LE) OR (CLOSTRI DI UM(W DIFFI CI LE))

116 S1

86448	DIFFI CI LE
266143	CLOSTRI DI UM
86448	DIFFI CI LE
56206	CLOSTRI DI UM(W DIFFI CI LE)

S2 11 S1 AND ((DIFFI CI LE) OR (CLOSTRI DI UM(W DIFFI CI LE))

? RD

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S3 9 RD (unique items)

? T S3/3, K1-9

>>>KWC option is not available in file(s): 399

3/3, K1 (Item 1 from file: 24)
 DI ALCO(R) File 24: CSA Life Sciences Abstracts
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0003364984 IP ACCESSI ON NO: 8514072
 Surface layer proteins from Clostridium difficile induce
 inflammatory and regulatory cytokines in human monocytes and dendritic
 cells

Ausiello, Clara Maria; Cerquetti, Marina; Fedele, Giorgio;
 Spensori, Fabiana; Palazzo, Raffaella; Nasso, Maria; Frezza, Simona;
 Mastранtonio, Paola
 Department of Infectious, Parasitic and Immuno-mediated Diseases,
 Anti-Infectious Immunology Unit, Istituto Superiore di Sanita, Viale Regina
 Elena 29, 00161 Rome, Italy, [mailto:ausiello@ss.it]

I act at edehydr ogenasecl ostr i di um t xt
Microbes and Infection, v 8, n 11, p 2640- 2646, September 2006
PUBLICATION DATE: 2006

PUBLISHER: Editions Scientifiques et Médicales Elsevier, 23 rue Linois
75724 Paris cedex 15 France, [URL: http://www.elsevier.fr]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 1286-4579

FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts

Surface layer proteins from Clostridium difficile induce inflammatory and regulatory cytokines in human monocytes and dendritic cells

Ausilio, Clara Maria; Cerquetti, Marina; Fedele, Giorgio;
Spensi eri, Fabiana; Palazzo, Rafaella; Nasso, Maria; Frezza, Simona;
Mastrantoni o, Paola

ABSTRACT:

Clostridium difficile, an etiological agent of most cases of antibiotic-associated diarrhea, exerts its pathological action mainly...

...mixed Th1/Th2 orientation of immune response in naive CD4 T cells. In conclusion, C. difficile SLPs may contribute to the pathogenicity of the bacterium by perturbing the fine balance of...

...in the light of the possible use of SLPs in a multi component vaccine against C. difficile infections for high-risk patients.

...DESCRIPTIONS: Interleukin 12; Interleukin 6; Lymphocytes T; Monocytes; Pathogenicity; Risk groups; Toxin A; Toxin B; Vaccines; Clostridium difficile

3/3, K/2 (Item 1 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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137045065 CA: 137(4) 45065p JOURNAL
Binding of Clostridium difficile to Caco-2 epithelial cell line and to extracellular matrix proteins

AUTHOR(S): Cerquetti, Marina; Serafino, Annalucia; Sebastianelli, Annalisa; Mastrandioni, Paola

LOCATION: Laboratory of Bacteriology and Medical Mycology, Istituto Superiore di Sanita, 00161, Rome, Italy

JOURNAL: FEMS Immunol. Med. Microbiol. (FEMS Immunology and Medical Microbiology) DATE: 2002 VOLUME: 32 NUMBER: 3 PAGES: 211-218 CODEN: FILM EV ISSN: 0928-8244 PUBLISHER ITEM IDENTIFIER: 0928-8244(01)00301-7

LANGUAGE: English PUBLISHER: Elsevier Science B.V.

3/3, K/3 (Item 2 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rights reserved.

135043236 CA: 135(4) 43236e JOURNAL
Molecular and genomic analysis of genes encoding surface-anchoraged proteins from Clostridium difficile
AUTHOR(S): Karjalainen, Tuomo; Waligora-Dupret, Anne-Judith; Cerquetti,

I act at edehydr ogenasecl ostr i di um txt
Marina; Spigaglia, Patrizia; Maggioni, Andrea; Mauri, Pierluigi;
Mastrantoni, Paola
LOCATION: Dep. Microbiol., Fac. Pharm., Université de Paris-Sud, 92296,
Chatenay-Malabry, Fr.
JOURNAL: Infect. Immun. DATE: 2001 VOLUME: 69 NUMBER: 5 PAGES:
3442-3446 CODEN: INFIBR ISSN: 0019-9567 LANGUAGE: English PUBLISHER:
American Society for Microbiology

3/3, K/4 (Item 3 from file: 399)
DI ALCG(R) File 399: CA SEARCH(R)
(c) 2009 American Chemical Society. All rights reserved.

133346858 CA: 133(25)346858j JOURNAL
Characterization of surface layer proteins from different Clostridium
difficile clinical isolates
AUTHOR(S): Cerquetti, Marina; Mulinari, Agnese; Sebastianelli, Annalisa;
Dociati, Marco; Petruzzelli, Raffaele; Capo, Concetta; Mastrandoni,
Paola
LOCATION: Department of Bacteriology and Medical Mycology, Istituto
Superiore di Sanita, 00161, Rome, Italy
JOURNAL: Microb. Pathog. DATE: 2000 VOLUME: 28 NUMBER: 6 PAGES:
363-372 CODEN: MPAEV ISSN: 0882-4010 LANGUAGE: English PUBLISHER:
Academic Press

3/3, K/5 (Item 4 from file: 399)
DI ALCG(R) File 399: CA SEARCH(R)
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126168853 CA: 126(13)168853z JOURNAL
Clostridium difficile: an update on virulence mechanisms
AUTHOR(S): Mastrandoni, Paola; Pantosti, Annalisa; Cerquetti, Marina;
Fiorintini, Carla; Donelli, Gianfranco
LOCATION: Laboratory of Bacteriology and Medical Mycology, Istituto
Superiore di Sanita, 00161, Rome, Italy
JOURNAL: Anaerobe DATE: 1996 VOLUME: 2 NUMBER: 6 PAGES: 337-343
CODEN: ANAEF8 ISSN: 1075-9964 LANGUAGE: English PUBLISHER: Academic

3/3, K/6 (Item 5 from file: 399)
DI ALCG(R) File 399: CA SEARCH(R)
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125296686 CA: 125(23)296686p JOURNAL
Clostridium difficile and its surface proteins
AUTHOR(S): Mastrandoni, Paola; Pantosti, Annalisa; Cerquetti, Marina;
Mulinari, Agnese; Gelsosia, Antonella; Donelli, Gianfranco
LOCATION: Dept. of Bacteriology and Medical Mycology, Istituto Superiore
di Sanita, 00161, Rome, Italy
JOURNAL: Microbiol. Ther. DATE: 1995 VOLUME: 23 NUMBER: Beiträge zum
XVIII. Internationalen Symposium für Mikrobielle Ökologie und
Krankheiten, 1993 PAGES: 94-101 CODEN: MTHE4 ISSN: 0720-0536
LANGUAGE: English

3/3, K/7 (Item 6 from file: 399)
DI ALCG(R) File 399: CA SEARCH(R)
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118231813 CA: 118(23)231813p JOURNAL
Purification and characterization of an immunodominant 36 kD antigen
present on the cell surface of Clostridium difficile

I act at edehydr ogenasecl ostr i di um t xt
AUTHOR(S): Cerquetti, Marina; Pantosti, Annalisa; Stefanelli, Paola;
Mastrantoni, Paola
LOCATION: Lab. Med. Bacteriol. Mycol., Inst. Super. Sanita, Rome, Italy
JOURNAL: Microb. Pathog. DATE: 1992 VOLUME: 13 NUMBER: 4 PAGES: 271-9
CODEN: MPAEV ISSN: 0882-4010 LANGUAGE: English

3/3, K/8 (Item 7 from file: 399)
DIALOG(R) File 399: CA SEARCH(R)
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108164481 CA: 108(19)164481g JOURNAL
Electrophoretic characterization of Clostridium difficile strains
isolated from antibiotic-associated colitis and other conditions
AUTHOR(S): Pantosti, Annalisa; Cerquetti, Marina; Ganfrilli, Paola
Mastrantoni
LOCATION: Lab. Med. Bacteriol. Mycol., Ist. Super. Sanita, 299-00161,
Rome, Italy
JOURNAL: J. Clin. Microbiol. DATE: 1988 VOLUME: 26 NUMBER: 3 PAGES:
540-3 CODEN: JCM DW ISSN: 0095-1137 LANGUAGE: English

3/3, K/9 (Item 1 from file: 149)
DIALOG(R) File 149: TGG Health & Wellness DB(SM)
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02938821 SUPPLIER NUMBER: 98250052 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Invasive type Haemophilus influenzae disease in Italy. (Diabetes).
Cerquetti, Marina; degli Atti, Marta Luisa Ciolfi; Cardines, Rita;
Salmaso, Stefania; Renna, Giovanna; Mastrandri, Paola
Emerging Infectious Diseases, 9, 2, 258(4)
Feb,
2003
PUBLICATION FORMAT: Magazine/Journal ISSN: 1080-6040 LANGUAGE: English
RECORD TYPE: Full text TARGET AUDIENCE: Academic; Professional
WORD COUNT: 2993 LINE COUNT: 00273

Cerquetti, Marina...
... 2000-2001). Her research interests include investigations on
mechanisms of pathogenesis in H. influenzae and Clostridium
difficile.
? DS

Set	Items	Description
S1	116	E1-E8
S2	11	S1 AND ((DIFCILE) OR (CLOSTRIDIUM(W)DIFCILE))
S3	9	RD (unique items)
? S S3 AND 36(w)Kda	9	S3
	2584301	36
	1027726	KDA
	14138	36(W)KDA
S4	0	S3 AND 36(W)KDA
? s s3 and 36	9	S3
	2584301	36
S5	1	S3 AND 36
? t s5/3, k/1		

>>>KC option is not available in file(s): 399

5/3, K/1 (Item 1 from file: 399)
DIALOG(R) File 399: CA SEARCH(R)
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118231813 CA: 118(23) 231813p JOURNAL

Purification and characterization of an immunodominant 36 kD antigen present on the cell surface of *Clostridium difficile*

AUTHOR(S): Cerquetti, Marina; Pantosti, Annalisa; Stefanelli, Paola; Mastрантонио, Paola

LOCATION: Lab. Med. Bacteriol. Mycol., Inst. Super. Sanita, Rome, Italy

JOURNAL: Microb. Pathog. DATE: 1992 VOLUME: 13 NUMBER: 4 PAGES: 271-9

CODEN: MPAEV ISSN: 0882-4010 LANGUAGE: English

? eau=pantosi, annalisa

Ref	Items	Index-term
E1	8	AU=PANTOSHDERI MOVA TD
E2	2	AU=PANTOSHI, A*
E3	1	* AU=PANTOSI, ANNALI SA
E4	1	AU=PANTOSI, DANI ELA
E5	1	AU=PANTOSNE DERI MOVA, T.
E6	283	AU=PANTOSTI A
E7	8	AU=PANTOSTI A L
E8	178	AU=PANTOSTI A.
E9	2	AU=PANTOSTI A. L.
E10	2	AU=PANTOSTI AL
E11	114	AU=PANTOSTI ANNALI SA
E12	66	AU=PANTOSTI D

Enter P or PAGE for more

? s e2-e11

2	AU=PANTOSHI, A*
1	AU=PANTOSI, ANNALI SA
1	AU=PANTOSI, DANI ELA
1	AU=PANTOSNE DERI MOVA, T.
283	AU=PANTOSTI A
8	AU=PANTOSTI A L
178	AU=PANTOSTI A.
2	AU=PANTOSTI A. L.
2	AU=PANTOSTI AL
114	AU=PANTOSTI ANNALI SA

S6 592 E2-E11

? s s6 and difficile

592 S6

86448 DIFCILE

S7 72 S6 AND DIFCILE

? rd

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S8 21 RD (unique items)

? t s8/3, k/1-21

>>>KWC option is not available in file(s): 399

8/3, K/1 (Item 1 from file: 5)

DIALOG(R) File 5: Biosis Previews(R)

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13823529 BIOSIS NO.: 199799457589

Clostridium difficile: An update on virulence mechanisms

AUTHOR: Mastрантонио Paola (Reprint); Pantosti Annalisa; Cerquetti Marina; Fiorentini Carla; Donelli Gianfranco

AUTHOR ADDRESS: Lab. Bacteriology and Med. Mycology, Istituto Superiore di Sanita, Viale Regina Elena 299, 00161 Roma, Italy**Italy

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JOURNAL: Anaerobe 2 (6): p337-343 1996 1996
ISSN: 1075-9964
DOCUMENT TYPE: Article; Literature Review
RECORD TYPE: Citation
LANGUAGE: English

Clostridium difficile: An update on virulence mechanisms
... AUTHOR: Pantosti Annalisa
DESCRIPTORS:
... ORGANISMS: Clostridium difficile (Endospore-forming
Gram-Positives)
CHEMICALS & BIOCHEMICALS:

8/3, K/2 (Item 2 from file: 5)
DIALOG(R) File 5: Biosis Previews(R)
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11829030 BIOSIS NO.: 199395131296
Purification and characterization of an immunodominant 36 kDa antigen
present on the cell surface of Clostridium difficile
AUTHOR: Cerquetti Marina; Pantosti Annalisa; Stefanelli Paola;
Mastrantonio Paola (Reprint)
AUTHOR ADDRESS: Laboratorio di Batteriologia e Microbiologia Medica, Istituto
Superiore di Sanita, Viale Regina Elena 299, 00161 Roma, Italy**Italy
JOURNAL: Microbial Pathogenesis 13 (4): p271-279 1992
ISSN: 0882-4010
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

... and characterization of an immunodominant 36 kDa antigen present on the
cell surface of Clostridium difficile
... AUTHOR: Pantosti Annalisa

ABSTRACT: The 36 kDa antigen represents the major EDTA-extracted protein of
Clostridium difficile strains belonging to electrophoretic group 2.
Antibodies to this antigen are found in sera of patients with C.
difficile-associated diarrhoea. The 36 kDa antigen was extracted
from C. difficile C253 by EDTA and purified by gel filtration
(Sephadex S300) and ion exchange chromatography (DEAE...)

... Immunofluorescence demonstrated that the 36 kDa antigen was located on
the surface of the C. difficile cell. Monospecific anti-serum raised
in rabbits reacted positively with the 36 kDa protein of most group 2 C.
difficile strains isolated from antibiotic-associated diarrhoea
(AAD) outbreaks in Italy and other European countries.

DESCRIPTORS:
... ORGANISMS: Clostridium difficile (Endospore-forming
Gram-Positives)...
CHEMICALS & BIOCHEMICALS:

8/3, K/3 (Item 3 from file: 5)
DIALOG(R) File 5: Biosis Previews(R)
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10096870 BIOSIS NO.: 199089014761
IMMUNOBLOT ANALYSIS OF SERUM IMMUNOGLOBULIN G RESPONSE TO SURFACE PROTEINS
OF CLOSTRIDIUM DIFFICILE IN PATIENTS WITH ANTIBIOTIC-ASSOCIATED
DIARRHEA
AUTHOR: PANTOSTI A (Reprint); CERQUETTI M; VITI F; ORTISI G;

I act at edehydr ogenasecl ostr i di um txt

MASTRANTONI O P
AUTHOR ADDRESS: BACTERIOL AND MED MYCOL LAB, 1 ST SUPERIOR DI SANITA, 00161
ROME, ITALY** ITALY
JOURNAL: Journal of Clinical Microbiology 27 (11): p2594-2597 1989
ISSN: 0095-1137
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

IMMUNOBLOT ANALYSIS OF SERUM IMMUNOGLOBULIN G RESPONSE TO SURFACE PROTEINS
OF CLOSTRIDIUM DIFFICILE IN PATIENTS WITH ANTIBIOTIC-ASSOCIATED
DIARRHEA

AUTHOR: PANTOSTI A...

... ABSTRACT: immunoblot analysis the serum immunoglobulin G antibody response to EDTA-extracted surface proteins of Clostridium difficile in 16 patients with antibiotic-associated diarrhea. For each patient, paired serum samples were tested...

... to belong to the electrophoretic group 2 pattern. Eight patients, all harboring group 2 C. difficile strains, exhibited responses to the proteins of the infecting strain; six patients showed increases in...

... C. difficile proteins other than toxins can elicit an immune response in patients with C. difficile-associated disease; in this group of patients, the major surface protein of the group 2...

8/3, K/4 (Item 4 from file: 5)
DIAGNOSIS File 5: Biopsies Previews(R)
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09256978 BIOSIS NO.: 198886096899
EVIDENCE FOR CROSS-INFECTION IN AN OUTBREAK OF CLOSTRIDIUM DIFFICILE
ASSOCIATED DIARRHEA IN A SURGICAL UNIT
AUTHOR: TESTORE G P (Reprint); PANTOSTI A; CERQUETTI M; BABUDIERI S;
PANICHI G; MASTRANTONIO GIANFRILLI P
AUTHOR ADDRESS: ISTITUTO CLINICO MEDICO, UNIVERSITÀ DEGLI STUDI DI ROMA, "LA
SAPIENZA", VIALE UNIVERSITÀ 37, ROMA** ITALY
JOURNAL: Journal of Medical Microbiology 26 (2): p125-128 1988
ISSN: 0022-2615
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

EVIDENCE FOR CROSS-INFECTION IN AN OUTBREAK OF CLOSTRIDIUM DIFFICILE
ASSOCIATED DIARRHEA IN A SURGICAL UNIT
... AUTHOR: PANTOSTI A

ABSTRACT: Environmental studies were performed in a hospital outbreak of Clostridium difficile-associated diarrhea. Transmission was associated with the sluice room and the storage room where medical equipment was found to be contaminated with C. difficile. Typing of isolates by antibiotic-susceptibility patterns and profiles of EDTA-extracted proteins showed the...

8/3, K/5 (Item 5 from file: 5)
DIAGNOSIS File 5: Biopsies Previews(R)
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09122516 BIOSIS NO.: 198885091407
ELECTROPHORETIC CHARACTERIZATION OF CLOSTRIDIUM DIFFICILE STRAINS
Page 7

I act at edehydr ogenasecl ostr i di um t xt
I SOLATED FROM ANTI BI OTI C ASSOCI ATED COLI TI S AND OTHER CONDI TI ONS
AUTHOR: PANTOSTI A (Reprint); CERQUETTI M; GI ANFRI LLI P M
AUTHOR ADDRESS: LAB MED BACTERI OLOGY AND MYCOLOGY, I STI TUO SUPERI ORE DI
SANI TA, VI ALE REGI NA ELENA, 299-00161 ROME, I TALY** I TALY
JOURNAL: Journal of Clinical Microbiology 26 (3): p540-543 1988
ISSN: 0095-1137
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

ELECTROPHORETIC CHARACTERIZATION OF CLOSTRI DIUM DIFFICILE STRAINS
I SOLATED FROM ANTI BI OTI C ASSOCI ATED COLI TI S AND OTHER CONDI TI ONS
AUTHOR: PANTOSTI A...

ABSTRACT: Clostridium difficile has been recognized as the cause of
antibiotic-associated pseudomembranous colitis and of less severe...

...and small children. Various typing systems have been used to clarify the
epidemiology of C. difficile. We used the electrophoretic patterns
of EDTA-extracted proteins to characterize C. difficile strains
from various sources. Altogether, 110 strains were studied, including 2
reference strains, and 21...

...characterization can be used to aid studies on the virulence and
clinical significance of C. difficile.

8/3, K/6 (Item 6 from file: 5)
DI ALCG(R) File 5: Biostatistics Previews(R)
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08096439 BIOSIS NO.: 198681060330
COMPARISON OF THE IN-VITRO ACTIVITIES OF TEICOPLANIN AND VANCOMYCIN AGAINST
CLOSTRIDIUM DIFFICILE AND THEIR INTERACTIONS WITH CHOLESTYRAMINE
AUTHOR: PANTOSTI A (Reprint); LUZZI I; CARDINES R; GI ANFRI LLI P
AUTHOR ADDRESS: LAB DI BATTERIOL E M COL MED, I STI SUPERI ORE DI SANI TA 00161
ROME, I TALY** I TALY
JOURNAL: Antimicrobial Agents and Chemotherapy 28 (6): p847-848 1985
ISSN: 0066-4804
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

COMPARISON OF THE IN-VITRO ACTIVITIES OF TEICOPLANIN AND VANCOMYCIN AGAINST
CLOSTRIDIUM DIFFICILE AND THEIR INTERACTIONS WITH CHOLESTYRAMINE
AUTHOR: PANTOSTI A...

...ABSTRACT: vitro activity of teicoplanin was compared with that of
vancomycin against fecal isolates of Clostridium difficile. All
strains were susceptible to both antibiotics, but teicoplanin was
fourfold more active than vancomycin...

8/3, K/7 (Item 7 from file: 5)
DI ALCG(R) File 5: Biostatistics Previews(R)
(c) 2009 The Thomson Corporation. All rights reserved.

08080514 BIOSIS NO.: 198681044405
CLOSTRIDIUM DIFFICILE COLONIES IN LEUKEMIA PATIENTS
AUTHOR: PANICHI G (Reprint); PANTOSTI A; GENTILE G; TESTORE G P;
VENDITTI M; MARTINO P; SERRA P
AUTHOR ADDRESS: I STI TUTTO CLINI CA MEDICAL 111, POLICLINICO UMBERTO I 00185
ROME, I TALY** I TALY

I act at edehydr ogenasecl ostr i di um txt
JOURNAL: European Journal of Cancer and Clinical Oncology 21 (10): p
1159- 1164 1985
ISSN: 0277- 5379
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

CLOSTRI DI UM DI FFI CI LE COLITIS IN LEUKEMIA PATIENTS
... AUTHOR: PANTOSTI A

... ABSTRACT: patients with diarrhea or other abdominal symptoms have been investigated for the presence of Clostridium difficile and its cytotoxin in stools. Of the patients studied 19% had C. difficile, in most cases together with cytotoxin. All patients but one had received antibiotics, while one...
... Owing to the most infrequent fatal evolution, it is recommended that routine search for C. difficile in leukemia patients with abdominal symptoms be performed and appropriate therapy started immediately.

8/3, K/8 (Item 8 from file: 5)
DI ALCG(R) File 5: Bi osis Previews(R)
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08028186 BI OSIS NO.: 198631109085
THE ROLE OF CLOSTRI DI UM DI FFI CI LE IN INTESTINAL DISTURBANCES OF LEUKEMIA PATIENTS
AUTHOR: GENTILE G (Reprint); PANTOSTI A; GIANFRILLI P; LUZZI I;
MARTINO P; VENDITTI M; SANTI NI C; CABRINI D; PANICHI G
AUTHOR ADDRESS: Istituto Clinico Medico Universitario degli Studi La Sapienza-Roma
JOURNAL: Giornale di Malattie Infettive e Parassitarie 37 (11): p1059-1064
1985
ISSN: 0017-0321
DOCUMENT TYPE: Article
RECORD TYPE: Citation
LANGUAGE: ITALIAN

THE ROLE OF CLOSTRI DI UM DI FFI CI LE IN INTESTINAL DISTURBANCES OF LEUKEMIA PATIENTS
... AUTHOR: PANTOSTI A

8/3, K/9 (Item 9 from file: 5)
DI ALCG(R) File 5: Bi osis Previews(R)
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07778350 BI OSIS NO.: 198580087245
EVALUATION OF GAS-LIQUID CHROMATOGRAPHY FOR THE RAPID DIAGNOSIS
CLOSTRI DI UM DI FFI CI LE ASSOCIATED WITH SEASIDE
AUTHOR: GIANFRILLI P (Reprint); PANTOSTI A; LUZZI I
AUTHOR ADDRESS: Dipartimento di Microbiologia, Istituto Superiore di Sanita, Roma
00161, Italy**Italy
JOURNAL: Journal of Clinical Pathology (London) 38 (6): p690-693 1985
ISSN: 0021-9746
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

EVALUATION OF GAS-LIQUID CHROMATOGRAPHY FOR THE RAPID DIAGNOSIS
CLOSTRI DI UM DI FFI CI LE ASSOCIATED WITH SEASIDE
... AUTHOR: PANTOSTI A

... ABSTRACT: specimens with isocapric acid as a marker was used for the
Page 9

I act at edehydr ogenasecl ostr i di um t xt
rapi d di agnosi s of C. difficile associated diarrheal di seases.
Ni net y st ools were examined and results were compared with conventional
culture on...

8/3, K/10 (Item 10 from file: 5)
DI ALCG(R) File 5: Bi osis Previ ews(R)
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07751521 BI OSIS NO.: 198580060416
IN-VITRO ACTIVITY OF 3 ANTI NEOPLASTIC DRUGS AGAINST AEROBIC AND ANAEROBIC
TESTINAL BACTERIA
AUTHOR: VETERE A (Reprint); GIULIANO M; PANTOSTI A; PANICHI G
AUTHOR ADDRESS: I ST CLIN MED 111, UNIV STUDI ROMA LA SAPIENZA, VI ALE
DELL'UNIVERSITA 37, 00185 ROME, ITALY** ITALY
JOURNAL: Bollettino dell'Istituto Superiore di Sanita Milanese 63 (6): p505-509
1984
ISSN: 0021-2547
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ITALIAN

... AUTHOR: PANTOSTI A

... ABSTRACT: used anti neoplastic drugs (daunorubicin, cytosine arabinoside, methotrexate) against aerobic and anaerobic intestinal bacteria and Clostridium difficile, the etiological agent of pseudomembranous colitis, was evaluated. Daunorubicin proved to be the most active...

DESCRIPTIONS: HUMAN CLOSTRIDIUM DIFFICILE BACTERIAES ENTEROCOCCI
DAUNORUBICIN CYTOSINE ARABINOSIDE METHOTREXATE COLONIZATION RESISTANCE
FLORA ALTERATION

8/3, K/11 (Item 11 from file: 5)
DI ALCG(R) File 5: Bi osis Previ ews(R)
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07445142 BI OSIS NO.: 198528084045
CYTOTOXIN AND ENTEROTOXIN PRODUCTON BY CLOSTRIDIUM DIFFICILE
AUTHOR: GIANFRILLI P (Reprint); LUZZI I; PANTOSTI A; OCCHIONERO M;
GENTILE G; PANICHI G
AUTHOR ADDRESS: I ST SUPERIORI SANITA, LAB BATTERIOL MICROBIOLOGIA MED, VI ALE
REGINA ELENA, 299, 00100 ROME, ITALY** ITALY
JOURNAL: Microbiology (Pavia) 7 (4): p375-380 1984
ISSN: 1121-7138
DOCUMENT TYPE: Article
RECORD TYPE: Citation
LANGUAGE: ENGLISH

CYTOTOXIN AND ENTEROTOXIN PRODUCTON BY CLOSTRIDIUM DIFFICILE
... AUTHOR: PANTOSTI A

8/3, K/12 (Item 12 from file: 5)
DI ALCG(R) File 5: Bi osis Previ ews(R)
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07390109 BI OSIS NO.: 198528029012
PSEUDOMEMBRANOUS ENTERITIS ASSOCIATED WITH CLOSTRIDIUM DIFFICILE
AUTHOR: TESTORE G P (Reprint); PANTOSTI A; PANICHI G; GIANFRILLI P;
LUZZI I; NARDI F; CONTINI M; ANGELICIA A; PULCINI N
AUTHOR ADDRESS: LAB BATTERIOL E MICROBIOLOGIA MED, I ST SUPERIORI DI SANTI A, VI ALE

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REGI NA ELENA 299, 00161 ROMA, ITALY**ITALY
JOURNAL: Italian Journal of Gastroenterology 16 (3): p229-230 1984
ISSN: 0392-0623
DOCUMENT TYPE: Article
RECORD TYPE: Citation
LANGUAGE: ENGLISH

PSEUDOMEMBRANOUS ENTERITIS ASSOCIATED WITH CLOSTRIDIUM difficile
... AUTHOR: PANTOSTI A

8/3, K/13 (Item 1 from file: 34)
DI ALG(R) File 34: Sci Search(R) Cited Ref Sci
(c) 2009 The Thomson Corp. All rights reserved.

06133930 Genuine Article#: XX182 No. References: 31
Title: Detection of enterotoxigenic Bacteria fragilis by PCR
Author(s): Pantosti A (REPRINT); Melpeli M; Wilks M; Menozzi MG;
D'Ambroso F
Corporate Source: ISTITUTO SUPER SANITA, LAB BACTERIOLOGY & MEDICAL MYCOL, Viale REGINA
ELENA 299/I-00161 ROME/ITALY/ (REPRINT); UNIVERSITA DI PARMA, ISTIT
MICROBIOLOGY/I-43100 PARMA/ITALY/; UNIVERSITA LONDON ST BARTHOLOMEW'S HOSP MED
COLL, DEPT MED MICROBIOLOGY/LONDON EC1A 7BE/ENGLAND/
Journal: JOURNAL OF CLINICAL MICROBIOLOGY, 1997, V35, N10 (OCT), P2482-2486
ISSN: 0095-1137 Publication date: 19971000
Publisher: AMERICAN MICROBIOLOGY, 1325 MASSACHUSETTS AVENUE, NW
WASHINGTON, DC 20005-4171
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)
Author(s): Pantosti A (REPRINT); Melpeli M; Wilks M; Menozzi MG;
D'Ambroso F
... Identifiers - TOXICGENIC CLOSTRIDIUM difficile; POLYMERASE
CHAIN REACTION; ESCHERICHIA-COLI; FECAL SAMPLES; DIARRHEAL DISEASE;
EPITHelial CELLS; ASSAY; METALLOPROTEASE; ASSOCIATION; INFECTION

8/3, K/14 (Item 1 from file: 73)
DI ALG(R) File 73: EMBASE
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0074071929 EMBASE No: 1989252432
Hospital outbreaks of Clostridium difficile associated diarrhoea:
Demonstration of cross-infection by typing methods
Cerquetti M; Pantosti A; Gentile G; D'Ambroso F.; Mastранtonio P.
Laboratorio di Batteriologia e Microbiologia Medica, Roma, Italy:
CORRESP. AUTHOR/ AFFILI: Laboratorio di Batteriologia e Microbiologia Medica,
Roma, Italy

Annali dell'Istituto Superiore di Sanita (ANN. ISTIT. SUPER. SANITA) (Italy) November 8, 1989, 25/2 (327-332)
CODEN: AISSA ISSN: 0021-2571
DOCUMENT TYPE: Journal RECORD TYPE: Citation
LANGUAGE: Italian SUMMARY LANGUAGE: English

Hospital outbreaks of Clostridium difficile associated diarrhoea:
Demonstration of cross-infection by typing methods
... Pantosti A
MEDICAL DESCRIPTIONS:
*clostridium difficile; *diarrhea; *hospital infection-drug therapy
--dt; *hospital infection-epidemiology--ep
ORIGIN DESCRIPTIONS:

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8/3, K/15 (Item 2 from file: 73)
DI ALOG(R) File 73: EMBASE
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0073684546 EMBASE No: 1988145439

Pathogenesis of post antibiotic diarrhoea caused by Clostridium difficile: An in vitro study in the rabbit intestine
Guandalini S.; Fasano A.; Mgliavacca M.; Verga M.C.; Mastrandriano G.; Gianfrilli P.; Ferrara A.; Alessio M.; Malamisura B.; Galati P.; Pantosti A.; Rubino A.

Department of Pediatrics, 2nd School of Medicine, University of Naples, 80131 Naples, Italy
CORRESP. AUTHOR/AFFILI: Department of Pediatrics, 2nd School of Medicine, University of Naples, 80131 Naples, Italy

Gut (GUT) (United Kingdom) July 6, 1988, 29/5 (598-602)

CODEN: GUTTA ISSN: 0017-5749

DOCUMENT TYPE: Journal Article RECORD TYPE: Abstract

LANGUAGE: English SUMMARY LANGUAGE: English

Pathogenesis of post antibiotic diarrhoea caused by Clostridium difficile: An in vitro study in the rabbit intestine
... Pantosti A

To elucidate the pathophysiological changes leading to post antibiotic diarrhoea caused by Clostridium difficile and its cytotoxin, oral ampicillin was given to rabbits, and jejunal, ileal, and caecal segments...

... developed diarrhoea were investigated in vitro. The rabbits that, in response to treatment, harboured Clostridium difficile in their colonic lumen were studied, and the results expressed according to the presence or absence of Clostridium difficile and/or its cytotoxin. Thus, we refer to either CD+ or CD- segments. The influx...

... in Cl. net transport that were more marked in CD-. We conclude that: (1) Clostridium difficile may also colonise the upper intestinal tract, where it induces morphological and functional damage, severely...

MEDICAL DESCRIPTIONS:

*clostridium difficile; *diarrhoea--etiology--et; *ileum; *intestine absorption; *intestine secretion; *jejunum; *small intestine

ORIGINAL DESCRIPTIONS:

8/3, K/16 (Item 3 from file: 73)
DI ALOG(R) File 73: EMBASE
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0072906282 EMBASE No: 1985111698

Activity of some cytostatic drugs on aerobic and anaerobic intestinal bacteria in vitro
ATTIVITA IN VITRO DI ALCUNI FARMACI CITOSTATICI SU BATTERI INTESTINALI AEROBICI ED ANAEROBICI

Vetere A.; Giuliano M.; Pantosti A.; Paniichi G.
Istituto di Clinica Medica III, Università degli Studi di Roma La Sapienza, 00161 Roma, Italy

CORRESP. AUTHOR/AFFILI: Istituto di Clinica Medica III, Università degli Studi di Roma La Sapienza, 00161 Roma, Italy

Bullettino dell'Istituto Superiore di Sanita Milanese (BOLL. IST. SUPER. DI SANITA MILANESI) (Italy) December 1, 1984, 63/6 (505-509)

CODEN: BISMA ISSN: 0021-2547

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DOCUMENT TYPE: Journal RECORD TYPE: Citation
LANGUAGE: Italian SUMMARY LANGUAGE: English

... Pantosti A
MEDICAL DESCRIPTORS:
*bacterial flora; *clostridium difficile; *drug efficacy; *intestine flora
ORIGIN DESCRIPTORS:

8/3, K/17 (Item 4 from file: 73)
DIALOG(R) File 73: EMBASE
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0072704709 EMBASE No: 1984085125
In vitro susceptibility of Clostridium difficile isolates to 12
antimicrobial agents
Ganfrilli P.; Luzzi I.; Pantosti A.; Occhionero M
Lab. Batteriologica e Micrologia Medica, Istituto Superiore di Sanita, Roma
00162, Italy
CORRESP. AUTHOR/ AFFILIATION: Lab. Batteriologica e Micrologia Medica, Istituto
Superiore di Sanita, Roma 00162, Italy

Chemoterapia (CHEMOTHERAPIA) (Italy) May 10, 1984, 3/1 (41-44)
CODEN: CHEME ISSN: 0392-906X
DOCUMENT TYPE: Journal; Article RECORD TYPE: Citation
LANGUAGE: English

In vitro susceptibility of Clostridium difficile isolates to 12
antimicrobial agents
... Pantosti A
MEDICAL DESCRIPTORS:
*clostridium difficile; *drug sensitivity; *minimum inhibitory
concentration
ORIGIN DESCRIPTORS:

8/3, K/18 (Item 1 from file: 144)
DIALOG(R) File 144: Pascal
(c) 2009 INIST/CNRS. All rights reserved.

08572502 PASCAL No.: 89-0121545
Pathogenesis of post antibiotic diarrhoea caused by Clostridium
difficile: an in vitro study in the rabbit intestine
GUANDALINI S; FASANO A; MGLI AVACCA M; VERGA M C; MASTRANTONIO GIANFRILLI
P; FERRARA A; ALESSIO M; MALAMURA B; GALATI P; PANTOSTI A; RUBINO A
Univ. Naples, 2nd school medicine, Italy
Journal: Gut, 1988, 29 (5) 598-602
Language: English

Pathogenesis of post antibiotic diarrhoea caused by Clostridium
difficile: an in vitro study in the rabbit intestine
... M; VERGA M C; MASTRANTONIO GIANFRILLI P; FERRARA A; ALESSIO M;
MALAMURA B; GALATI P; PANTOSTI A; RUBINO A

English Descriptors: Antibiotic; Diarrhea; Clostridium difficile; Gut
; In vitro; Rabbit; Animal; Toxicity; Digestive diseases

French Descriptors: Antibiotique; Diarrhee; Clostridium difficile;
Antibiose; Intestin; In vitro; Lapin; Animal; Toxicite; Appareil
digestif pathologie

Spanish Descriptors: Antibiotico; Diarrea; Clostridium difficile;
Intestino; In vitro; Conejo; Animal; Toxicidad; Aparato digestivo

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pat ol ogi a

8/3, K/19 (Item 1 from file: 155)

DI ALCG(R) File 155: MEDLINE(R)

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09340332 PM D: 2589733

[Hospital epidemic of Clostridium difficile diarrhoea: demonstration of cross-infection using a typing technique]

Epidemic ospedaliera di diarrea da Clostridium difficile: dimostrazione di infezione crociata mediante tecniche di tipizzazione.

Cerquetti M; Pantosti A; Gentile G; D'Ambroso F; Mastrantonio P
Annali dell'Istituto superiore di sanità (ITALY) 1989, 25 (2)
p327-32, ISSN 0021-2571--Print Journal Code: 7502520

Publ i shing Model Print

Document type: English Abstract; Journal Article

Languages: ITALIAN

Manuscript Owner: NLM

Record type: MEDLINE; Compl eted

[Hospital epidemic of Clostridium difficile diarrhoea: demonstration of cross-infection using a typing technique]

Epidemic ospedaliera di diarrea da Clostridium difficile: dimostrazione di infezione crociata mediante tecniche di tipizzazione.

Cerquetti M; Pantosti A; Gentile G; D'Ambroso F; Mastrantonio P

Two hospital outbreaks of Clostridium difficile diarrhoea in two general surgery units of different hospitals are described. Moreover, the results of a study on the circulation of C. difficile in a neurosurgery unit following two cases of colitis are reported. C. difficile strains isolated from patients and environment have been typed using antimicrobial susceptibility testing and electrophoretic...

... of antibiotic susceptibility. This provides strong evidence of cross-infection and hospital acquisition of C. difficile.

8/3, K/20 (Item 2 from file: 155)

DI ALCG(R) File 155: MEDLINE(R)

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08317555 PM D: 3827004

[Clostridium difficile colitis in patients with blood disases]

La colite da Clostridium difficile in pazienti empatici.

Gentile G; Pantosti A; Venditti M; Martino P; Pani chi G
Annali dell'Istituto superiore di sanità (ITALY) 1986, 22 (3)
p979-83, ISSN 0021-2571--Print Journal Code: 7502520

Publ i shing Model Print

Document type: English Abstract; Journal Article

Languages: ITALIAN

Manuscript Owner: NLM

Record type: MEDLINE; Compl eted

[Clostridium difficile colitis in patients with blood disases]

La colite da Clostridium difficile in pazienti empatici.

Gentile G; Pantosti A; Venditti M; Martino P; Pani chi G

8/3, K/21 (Item 3 from file: 155)

DI ALCG(R) File 155: MEDLINE(R)

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07683918 PM D: 6534396

I act at edehydr ogenasecl ostr i di um txt
[In vitro activity of several cytostatic drugs against aerobic and anaerobic intestinal bacteria]

Attivita in vitro di alcuni farmaci citostatici su batteri intestinali aerobici ed anaerobici.

Vetero A; Guliano M; Pantosti A; Panchi G

Bullettino dell'Istituto sieroterapico milanese (ITALY) 1984, 63 (6)
p505-9, ISSN 0021-2547 - Print Journal Code: 17720040R

Publ i shing Model Print

Document type: English Abstract; Journal Article

Languages: ITALIAN

Main Citation Owner: NLM

Record type: MEDLINE; Compl eted

Vetero A; Guliano M; Pantosti A; Panchi G
... used anti neoplastic drugs (Daunorubicin, Cytosine arabinoside, Methotrexate) against aerobic and anaerobic intestinal bacteria and Clostridium difficile that is the aetiological agent of pseudomembranous colitis. Daunorubicin proved to be the most active...

... ranging from 16 to 128 micrograms/ml, 50% of Bacteroides strains and 90% of Clostridium difficile and Enterococci strains tested. Methotrexate showed activity only against some Bacteroides strains, while Cytosine arabinoside...

? ds

Set	Items	Description
S1	116	E1-E8
S2	11	S1 AND ((DIFCILE) OR (CLOSTRIDIUM(W)DIFCILE))
S3	9	RD (unique items)
S4	0	S3 AND 36(W)KDA
S5	1	S3 AND 36
S6	592	E2-E11
S7	72	S6 AND DIFCILE
S8	21	RD (unique items)
? ss 8 and 36	21	S8
2584301	36	
S9	1	S8 AND 36
? t s9/3, k/1		

>>>KW option is not available in file(s): 399

9/3, K/1 (Item 1 from file: 5)
DIALOG(R) File 5: Biosis Previews(R)
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11829030 BIOSIS NO: 199395131296

Purification and characterization of an immunodominant 36 kDa antigen present on the cell surface of Clostridium difficile

AUTHOR: Cerquetti Marina; Pantosti Annalisa; Stefanelli Paola;
Mastrantonio Paola (Reprint)

AUTHOR ADDRESS: Laboratorio di Batteriologia Medicina, Istituto Superiore di Sanita, Viale Regina Elena 299, 00161 Roma, Italy**Italy

JOURNAL: Microbial Pathogenesis 13 (4): p271-279 1992

ISSN: 0882-4010

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

Purification and characterization of an immunodominant 36 kDa antigen present on the cell surface of Clostridium difficile
... AUTHOR: Pantosti Annalisa

ABSTRACT: The 36 kDa antigen represents the major EDTA-extracted

I act at edehydr ogenasecl ostridi um txt
protein of Clostridium difficile strains belonging to
electrophoretic group 2. Antibodies to this antigen are found in sera of
patients with C. difficile-associated diarrhoea. The 36 kDa
antigen was extracted from C. difficile C253 by EDTA and purified
by gel filtration (Sephacryl S300) and ion exchange chromatography
(DEAE-Trisacryl M). The molecular weight of the purified protein was
36 kDa as determined by SDS-PAGE, also in non-reducing conditions.
By gel filtration, the...

... of pl 4.6, the protein could be a homodimeric molecule.
Immunofluorescence demonstrated that the 36 kDa antigen was located
on the surface of the C. difficile cell. Monospecific antiserum
raised in rabbits reacted positively with the 36 kDa protein of
most group 2 C. difficile strains isolated from
antibiotic-associated diarrhoea (AAD) outbreaks in Italy and other
European countries.

DESCRIPTIONS:

...ORGANISMS: Clostridium difficile (Endospore-forming
Gram-Positives...).

CHEMICALS & BIOCHEMICALS:

? e au=stefaneli, p?

Ref	Items	Index-term
E1	92	AU=STEFANELLI, P.
E2	2	AU=STEFANELLI, P. F.
E3	0 *	AU=STEFANELLI, P?
E4	50	AU=STEFANELLI, PAOLA
E5	17	AU=STEFANELLI, PATRIZIA
E6	2	AU=STEFANELLI, PIETRO
E7	1	AU=STEFANELLI, PIETRO A.
E8	2	AU=STEFANELLI, R
E9	95	AU=STEFANELLI, R.
E10	30	AU=STEFANELLI, RENATO
E11	7	AU=STEFANELLI, RICCARDO
E12	2	AU=STEFANELLI, ROBERTO

Enter P or PAGE for more

? s e4
? s10 50 AU=' STEFANELLI, PAOLA'
? rd

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>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

? t s11 and difficile
S11 32 RD (unique items)

? t s11 and difficile

>>>'AND' not allowed in command
? s s11 and difficile
? t s12/3, k/1
S12 1 S11 AND DIFCILE
86448 DIFCILE

>>>KWC option is not available in file(s): 399

12/3, K/1 (Item 1 from file: 399)
DALOG(R) File 399: CA SEARCH(R)
(c) 2009 American Chemical Society. All rights reserved.

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 present on the cell surface of Cl osdtri di um difficile
 AUTHOR(S): Cerquetti, Marina; Pantosti, Annalisa; Stefanelli, Paola;
 Mastrantoni, Paola
 LOCATION: Lab. Med. Bacteriol. Mycol., Inst. Super. Sanita, Rome, Italy
 JOURNAL: Microb. Pathog. DATE: 1992 VOLUME: 13 NUMBER: 4 PAGES: 271-9
 CODEN: MPAEV ISSN: 0882-4010 LANGUAGE: English
 ? e au=mastrantoni, p?

Ref	Items	Index-term
E1	2	AU=MASTRANTONI O, P. GI ANFRI LLI
E2	22	AU=MASTRANTONI O, P*
E3	0 *	AU=MASTRANTONI O, P?
E4	111	AU=MASTRANTONI O, PAOLA
E5	11	AU=MASTRANTONI O, PASQUALE
E6	4	AU=MASTRANTONI O, S
E7	2	AU=MASTRANTONI O, S.
E8	3	AU=MASTRANTONI O, S. D. S.
E9	1	AU=MASTRANTONI O, S. DI S.
E10	1	AU=MASTRANTONI O, S. D. S.
E11	1	AU=MASTRANTONI O, SABRINA DI SALVO
E12	7	AU=MASTRANTONI O, STEFANIA

Enter P or PAGE for more

? s e4
 S13 111 AU='MASTRANTONI O, PAOLA'
 ? s e4 and e13
 111 AU=MASTRANTONI O, PAOLA
 3 AU=MASTRANTONI S N
 S14 0 AU='MASTRANTONI O, PAOLA' AND AU='MASTRANTONI S N'
 ? e au=mastrantoni, p?

Ref	Items	Index-term
E1	2	AU=MASTRANTONI O, P. GI ANFRI LLI
E2	22	AU=MASTRANTONI O, P*
E3	0 *	AU=MASTRANTONI O, P?
E4	111	AU=MASTRANTONI O, PAOLA
E5	11	AU=MASTRANTONI O, PASQUALE
E6	4	AU=MASTRANTONI O, S
E7	2	AU=MASTRANTONI O, S.
E8	3	AU=MASTRANTONI O, S. D. S.
E9	1	AU=MASTRANTONI O, S. DI S.
E10	1	AU=MASTRANTONI O, S. D. S.
E11	1	AU=MASTRANTONI O, SABRINA DI SALVO
E12	7	AU=MASTRANTONI O, STEFANIA

Enter P or PAGE for more

? s e4 and e12
 111 AU=MASTRANTONI O, PAOLA
 7 AU=MASTRANTONI O, STEFANIA
 S15 0 AU='MASTRANTONI O, PAOLA' AND AU='MASTRANTONI O, STEFANIA'
 ? s e4
 S16 111 AU='MASTRANTONI O, PAOLA'
 ? s s16 and difficile
 111 S16
 86448 DIFFICILE
 S17 42 S16 AND DIFFICILE
 ? rd

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

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S18 28 RD (unique items)
? t s18/3, k/1-28
>>>KWC option is not available in file(s): 399

18/3, K/1 (Item 1 from file: 24)
DI ALCG(R) File 24: CSA Life Sciences Abstracts
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0003537126 IP ACCESSION NO: 8641789
Emergence of reduced susceptibility to metronidazole in Clostridium difficile

Baines, Simon D; O'Connor, Rachael; Freeman, Jane; Fawley, Warren N;
Harmanus, Celine; Mastrandrello, Paola; Kuijper, Ed J; Wilcox, Mark H

1 Department of Microbiology, Institute of Molecular and Cellular Biology,
University of Leeds, Leeds LS2 9JT, UK,
[mailto:mark.wilcox@eedst.h.nhs.uk]

Journal of Antimicrobial Chemotherapy, v 62, n 5, p 1046-1052, November 2008

PUBLICATION DATE: 2008

PUBLISHER: Oxford University Press, Oxford Journals, Great Clarendon Street

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0305-7453

ELECTRONIC ISSN: 1460-2091

FILE SEGMENT: Industrial & Applied Microbiology Abstracts (Microbiology A);
Bacteriology Abstracts (Microbiology B); Nuclear Acids Abstracts

Emergence of reduced susceptibility to metronidazole in Clostridium difficile

Baines, Simon D; O'Connor, Rachael; Freeman, Jane; Fawley, Warren N;
Harmanus, Celine; Mastrandrello, Paola; Kuijper, Ed J; Wilcox, Mark H

ABSTRACT:

Objectives Antimicrobial treatment for Clostridium difficile infection (CDI) has typically been metronidazole, although reports have questioned the efficacy of this option. We screened recently isolated *C. difficile* (2005-06) for susceptibility to metronidazole and compared results for historic isolates (1995-2001). Methods *C. difficile* ribotypes 001 ($n = 86$), 106 ($n = 81$) and 027 ($n = 48$) and isolates from the

... prevalent ribotypes in Leeds ($n = 57$) were screened using spiral gradient endpoint analysis (SGE). *C. difficile* with metronidazole SGE MCs greater than or equal to 6 mg/L were analysed further...

... Etest. Multiple-locus variable-number tandem repeat analysis (MLVA) typing was performed for 28 *C. difficile* isolates. Results No reduced metronidazole susceptibility was observed in *C. difficile* ribotypes 106 and 027 (geometric mean SGE MCs 1.11 and 0.90 mg/L, respectively). In contrast, 21 (24.4% *C. difficile* ribotype 001 demonstrated reduced susceptibility to metronidazole (geometric mean SGE MCs 3.51 mg/L...).

... were confirmed by an agar incorporation method. Geometric mean agar incorporation MCs for historic *C. difficile* ribotype 001 ($n = 72$)

I act at edehydr ogenasecl ostr i di um txt
were 1.03 (range 0.25-2) mg/L compared with...

...for recent isolates displaying reduced metronidazole susceptibility. MLVA typing revealed two clonal complexes of *C. difficile* with reduced susceptibility to metronidazole. Conclusions We have demonstrated the emergence of reduced susceptibility to metronidazole in 24.4% of the recent *C. difficile* ribotype 001 isolates from our institution. Our observations could have implications in the clinical setting...

DESCRIPTIONS: Agar; Colon; Infection; Metronidazole; Minimum inhibitory concentration; Typing; Clostridium difficile

18/3, K/2 (Item 2 from file: 24)
DIALOG(R) File 24: CSA Life Sciences Abstracts
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0003364984 IP ACCESSION NO: 8514072
Surface layer proteins from Clostridium difficile induce inflammatory and regulatory cytokines in human monocytes and dendritic cells

Ausiello, Clara Maria; Cerquetti, Marina; Fedele, Giorgio; Spensiari, Fabiana; Palazzo, Raffaella; Nasso, Maria; Frezza, Simona; Mastранtonio, Paola
Department of Infectious, Parasitic and Immune-mediated Diseases,
Anti-Infectious Immunology Unit, Istituto Superiore di Sanita, Viale Regina Elena 29, 00161 Rome, Italy, [mailto:ausiello@ss.it]

Microbes and Infection, v 8, n 11, p 2640-2646, September 2006
PUBLICATION DATE: 2006

PUBLISHER: Editions Scientifiques et Médicales Elsevier, 23 rue Linois 75724 Paris cedex 15 France, [URL: http://www.elsevier.fr]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 1286-4579

FILE SEGMENT: Bacteriology Abstracts (Microbiology B); Immunology Abstracts

Surface layer proteins from Clostridium difficile induce inflammatory and regulatory cytokines in human monocytes and dendritic cells

Ausiello, Clara Maria; Cerquetti, Marina; Fedele, Giorgio; Spensiari, Fabiana; Palazzo, Raffaella; Nasso, Maria; Frezza, Simona; Mastранtonio, Paola

ABSTRACT:

Clostridium difficile, an etiological agent of most cases of antibiotic-associated diarrhoea, exerts its pathological action mainly...

...mixed Th1/Th2 orientation of immune response in naïve CD4 T cells. In conclusion, *C. difficile* SLPs may contribute to the pathogenicity of the bacterium by perturbing the fine balance of...

...in the light of the possible use of SLPs in a multi-component vaccine against *C. difficile* infections for high-risk patients.

...DESCRIPTIONS: 12; Interleukin 6; Lymphocytes T; Monocytes; Pathogenicity; Risk groups; Toxin A; Toxin B; Vaccines; Clostridium difficile

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18/3, K/3 (Item 3 from file: 24)
DI ALOG(R) File 24: CSA Life Sciences Abstracts
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0003180363 IP ACCESSION NO: 8032667
Tetracycline Resistance Gene tet(W) in the Pathogenic Bacterium Clostridium difficile

Spiaglia, Patrizia; Barbanti, Fabrizio; Mastранtonio, Paola
Department of Infectious, Parasitic and Immune-Mediated Diseases, Istituto Superiore di Sanita, Rome, Italy

Antimicrobial Agents & Chemotherapy, v 52, n 2, p 770-773, February 2008
PUBLICATION DATE: 2008

PUBLISHER: American Society for Microbiology, 1752 N Street N.W.
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0066-4804

ELECTRONIC ISSN: 1098-6596

FILE SEGMENT: Bacteriology Abstracts (Microbiology B)
Tetracycline Resistance Gene tet(W) in the Pathogenic Bacterium Clostridium difficile

Spiaglia, Patrizia; Barbanti, Fabrizio; Mastранtonio, Paola

ABSTRACT:

In this study, the tet(W) gene region of a human clinical isolate of Clostridium difficile resistant to tetracycline was characterized. This gene was a new allele showing 99% sequence identity...

DESCRIPTIONS: Clinical isolates; Tetracyclines; Bifidobacterium longum
Clostridium difficile

18/3, K/4 (Item 4 from file: 24)
DI ALOG(R) File 24: CSA Life Sciences Abstracts
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0002957162 IP ACCESSION NO: 7139869
Horizontal Transfer of Erythromycin Resistance from Clostridium difficile to *Butyrivibrio fibrisolvens*

Spiaglia, Patrizia; Barbanti, Fabrizio; Mastранtonio, Paola
Department of Infectious, Parasitic, and Immune-Mediated Diseases, Istituto Superiore di Sanita, Rome, Italy

Antimicrobial Agents & Chemotherapy, v 49, n 12, p 5142-5145, December 2005
PUBLICATION DATE: 2005

PUBLISHER: American Society for Microbiology, 1752 N Street N.W.
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

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I SSN: 0066-4804

ELECTRONIC I SSN: 1098-6596

FILE SEGMENT: Bacteriology Abstracts (Microbiology B)

Horizontal Transfer of Erythromycin Resistance from Clostridium difficile to Butyrivibrio fibrisolvens

Spiaglia, Patrizia; Barbanti, Fabrizio; Mistrantoni, Paola

ABSTRACT:

... erythromycin resistance gene erm(B) between two obligate anaerobes, the human spore-forming pathogen Clostridium difficile and the rumen commensal Butyrivibrio fibrisolvens, suggesting that this event might occur also in the...

DESCRIPTIONS: Antimicrobial agents; Commensals; Erythromycin; Horizontal transfer; Pathogens; Rumen; Butyrivibrio fibrisolvens; Clostridium difficile

18/3, K/5 (Item 5 from file: 24)
DALOG(R) File 24: CSA Life Sciences Abstracts
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0002856081 IP ACCESSION NO: 6947098

New variants of the tet(M) gene in Clostridium difficile clinical isolates harbouring Tn916-like elements

Spiaglia, Patrizia; Barbanti, Fabrizio; Mistrantoni, Paola
Department of Infectious, Parastic and Immune-mediated Diseases, Istituto Superiore di Sanita' Viale Regina Elena 299, 00161 Rome, Italy

Journal of Antimicrobial Chemotherapy, v 57, n 6, p 1205-1209, June 2006
PUBLICATION DATE: 2006

PUBLISHER: Oxford University Press, Oxford Journals, Great Clarendon Street Oxford OX2 6DP UK, [mailto:jnl.samplers@ox.ac.uk],
[URL: http://www3.oup.co.uk/jnl/s/]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

I SSN: 0305-7453

FILE SEGMENT: Bacteriology Abstracts (Microbiology B)

New variants of the tet(M) gene in Clostridium difficile clinical isolates harbouring Tn916-like elements

Spiaglia, Patrizia; Barbanti, Fabrizio; Mistrantoni, Paola

ABSTRACT:

OBJECTIVES: To detect Tn916-like elements in Clostridium difficile clinical isolates from different time periods and to analyse the genetic structure of these elements, in particular the tet(M) region. METHODS: Ninety C. difficile clinical isolates were examined by PCR assays for tet(M) and int, which are markers...

... investigated by PCR mapping and hybridization assays. The tet(M) region of eight selected C. difficile isolates was sequenced. RESULTS: Nineteen isolates were tet(M/int) positive and the majority (12...

...tetracycline resistant, three inducibly resistant and five susceptible.

I act at edehydr ogenasecl ostridi um txt
Fifty-eight per cent of the *C. difficile* isolates harboured one Tn916 element and 42% harboured two. Most isolates showed elements with a...

... tet(M) variants were identified, five of which have never been described before. CONCLUSIONS: *C. difficile* isolates harbouring Tn916-like elements have mainly been isolated since 1997, suggesting a recent circulation of these elements among *C. difficile* strains in Italian hospitals. Molecular analysis of these Tn916-like elements showed that they may...

... DESCRIPTORS: reaction; Genetic structure; Tetracyclines; Minimum inhibitory concentration; Genotyping; Hospitals; Transposons; Protein sorting signals; Clostridium difficile; Enterococcus faecalis

18/3, K/6 (Item 6 from file: 24)
DALCG(R) File 24: CSA Life Sciences Abstracts
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0002743474 IP ACCESSION NO: 6415789
Erb Det erminants and Tn916-Like Elements in Clinical Isolates of Clostridium difficile

Spiaglia, Patrizia; Carucci, Valentina; Barbanti, Fabrizio;
Mastrantoni, Paola
Department of Infectious, Parasitic and Immuno-Mediated Diseases, Istituto Superiore di Sanita, Rome, Italy

Antimicrobial Agents & Chemotherapy, v 49, n 6, p 2550-2553, June 2005
PUBLICATION DATE: 2005

PUBLISHER: American Society for Microbiology, 1752 N Street N.W.
Washington, DC 20036 USA, [URL: <http://www.asm.org/>]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0066-4804

FILE SEGMENT: Bacteriology Abstracts (Microbiology B)
Erb Det erminants and Tn916-Like Elements in Clinical Isolates of Clostridium difficile

Spiaglia, Patrizia; Carucci, Valentina; Barbanti, Fabrizio;
Mastrantoni, Paola

ABSTRACT:

Erythromycin and tetracycline resistance was analyzed in 37 Clostridium difficile clinical isolates. Strains of different clonal origins showed different erythromycin and tetracycline resistance determinants and ...

... strains of recent isolation, the presence of Tn916-like elements, never found before in *C. difficile* clinical isolates, has been demonstrated.

DESCRIPTORS: Clinical isolates; Erythromycin; Antibiotic resistance;
Tetracyclines; Antimicrobial agents; Clostridium difficile

18/3, K/7 (Item 1 from file: 393)

I act at edehydr ogenasecl ostr i di um txt
DI ALCG(R) Fi le 393: Bei lstein Database - Abstracts
(c) 2008 Bei lstein GrbH. All rts. reserv.

Bei lstein Abstract Id: 6712340

Title: Tetracycline resistance gene tet(W) in the pathogenic bacterium Clostridium difficile

Document Type: Journal Record Type: Abstract

Author: Spigaglia, Patrizia; Barbanti, Fabrizio; Mastранtonio, Paola

Citation: Antimicrob. Agents & Chemother. (2008) Series: 52-2, 770 - 773
CODEN: AMACQ Language: English

Abstract Language: English

Title: Tetracycline resistance gene tet(W) in the pathogenic bacterium Clostridium difficile

Author: Spigaglia, Patrizia; Barbanti, Fabrizio; Mastранtonio, Paola

Abstract: In this study, the tet(W) gene region of a human clinical isolate of Clostridium difficile resistant to tetracycline was characterized. This gene was a new allele showing 99 percent sequence...

18/3, K/8 (Item 2 from file: 393)

DI ALCG(R) Fi le 393: Bei lstein Database - Abstracts

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Bei lstein Abstract Id: 6553660

Title: Horizontal Transfer of Erythromycin Resistance from Clostridium difficile to *Butyrivibrio fibrisolvens*

Document Type: Journal Record Type: Abstract

Author: Spigaglia, Patrizia; Barbanti, Fabrizio; Mastранtonio, Paola

Citation: Antimicrob. Agents & Chemother. (2005) Series: 49-12, 5142 - 5145
CODEN: AMACQ Language: English

Abstract Language: English

Title: Horizontal Transfer of Erythromycin Resistance from Clostridium difficile to *Butyrivibrio fibrisolvens*

Author: Spigaglia, Patrizia; Barbanti, Fabrizio; Mastранtonio, Paola

... Abstract: erythromycin resistance gene erm(B) between two obligate anaerobes, the human spore-forming pathogen Clostridium difficile and the rumen commensal *Butyrivibrio fibrisolvens*, suggesting that this event might occur also in the...

18/3, K/9 (Item 3 from file: 393)

DI ALCG(R) Fi le 393: Bei lstein Database - Abstracts

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Bei lstein Abstract Id: 6538725

Title: ErnB Determinants and Tn916-Like Elements in Clinical Isolates of Clostridium difficile

Document Type: Journal Record Type: Abstract

Author: Spigaglia, Patrizia; Carucci, Valentina; Barbanti, Fabrizio; Mastранtonio, Paola

Citation: Antimicrob. Agents & Chemother. (2005) Series: 49-6, 2550 - 2553
CODEN: AMACQ Language: English

Abstract Language: English

Title: ErnB Determinants and Tn916-Like Elements in Clinical Isolates of

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C l ostri di um d iffic ile
Aut hor : Spi gaglia, Patrizia; Carucci, Valentina; Barbanti, Fabrizio;
Mastrantoni o, Paola
Abstr act : Erythromycin and tetracycline resistance was analysed in 37
C l ostri di um d iffic ile c linical isolates. Strains of
different clonal origins showed different erythromycin and
tetracycline resistance determinants and...
... strains of recent isolation, the presence of Tn916-like elements, never
found before in C. difficile clinical isolates, has been
demonstrated.

18/3, K/10 (Item 1 from file: 399)
DI ALCG(R) File 399: CA SEARCH(R)
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151096905 CA: 151(5)96905j JOURNAL
Hyper virulent antibiotic resistant C l ostri di um d iffic ile in Europe
CORPORATE AUTHOR(S) : European Study Group on C l ostri di um d iffic ile
(ESGCD)
AUTHOR(S) : Mastrandoni o, Paola; Barbanti, Fabrizio; Spigaglia, Patrizia
LOCATION: Department of Infectious, Parasitic and Immune-mediated
Diseases, Istituto Superiore di Sanita, 00161, Rome, Italy
JOURNAL: Microb. Ecol. Heal th Dis. (Microbial Ecol ogy in Health and
Disease) DATE: 2008 VOLUME: 20 NUMBER: 4 PAGES: 210-212 CODEN: MEHDE6
ISSN: 0891-060X LANGUAGE: English PUBLISHER: Informa Healthcare

18/3, K/11 (Item 2 from file: 399)
DI ALCG(R) File 399: CA SEARCH(R)
(c) 2009 American Chemical Society. All rts. reserv.

151096607 CA: 151(5)96607p CONFERENCE PROCEEDING
Antibiotic resistance determinants in C l ostri di um d iffic ile
AUTHOR(S) : Mastrandoni o, Paola; Spigaglia, Patrizia
LOCATION: Department of Infectious, Parasitic and Immune-mediated
Diseases, Istituto Superiore di Sanita, Rome, Italy
JOURNAL: C l ostri di a (C l ostri di a) EDITOR: Brueggemann, Holger (Ed),
Gottschalk, Gerhard (Ed), DATE: 2009 PAGES: 169-177 CODEN: 69LGQO
LANGUAGE: English PUBLISHER: Caster Academic Press, Norwich, UK ISBN:
978-1-904455-38-7

18/3, K/12 (Item 3 from file: 399)
DI ALCG(R) File 399: CA SEARCH(R)
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150558777 CA: 150(26)558777h JOURNAL
Molecular analysis of the gyrA and gyrB quinolone resistance-determining
regions of fluorquinolone-resistant C l ostri di um d iffic ile mutants
selected in vitro
AUTHOR(S) : Spigaglia, Patrizia; Barbanti, Fabrizio; Louise, Thomas;
Barbut, Frederic; Mastrandoni o, Paola
LOCATION: Department of Infectious, Parasitic and Immune-Mediated
Diseases, Istituto Superiore di Sanita, Rome, Italy
JOURNAL: Antimicrob. Agents Chemother. (Antimicrobial Agents and
Chemotherapy) DATE: 2009 VOLUME: 53 NUMBER: 6 PAGES: 2463-2468 CODEN:
AMACQ ISSN: 0066-4804 LANGUAGE: English PUBLISHER: American Society for
Microbiology

18/3, K/13 (Item 4 from file: 399)
Page 24

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DI ALCG(R) File 399: CA SEARCH(R)
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150255373 CA: 150(13) 255373g JOURNAL
Fluorouridine resistance in Clostridium difficile isolates from a prospective study of C. difficile infections in Europe
CORPORATE AUTHOR(S): European Study Group on Clostridium difficile ESGCD
AUTHOR(S): Spigaglia, Patrizia; Barbanti, Fabrizio; Mastранtonio, Paola; Brzazek, Jon S.; Barbut, Frederick; Delmee, Michel; Kuijper, Ed; Poxton, Ian R.
LOCATION: Department of Infectious, Parasitic and Immuno-medical Diseases, Istituto Superiore di Sanita, Rome, Italy
JOURNAL: J. Med. Microbiol. (Journal of Medical Microbiology) DATE: 2008
VOLUME: 57 NUMBER: 6 PAGES: 784-789 CODEN: JMMAV ISSN: 0022-2615
LANGUAGE: English PUBLISHER: Society for General Microbiology

18/3, K/14 (Item 5 from file: 399)
DI ALCG(R) File 399: CA SEARCH(R)
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150053888 CA: 150(4) 53888t JOURNAL
Clostridium difficile TxAC314 and SLP-36kDa enhance the immune response toward a co-administered antigen
AUTHOR(S): Brun, Paola; Scarpa, Melania; Grillo, Alessia; Palu, Giorgio; Mengoli, Carlo; Zecconi, Alfonso; Spigaglia, Patrizia; Mastранtonio, Paola; Castagliuolo, Ignazio
LOCATION: Department of Histology, Microbiology and Medical Biotechnologies, University of Padua, Padua, Italy
JOURNAL: J. Med. Microbiol. (Journal of Medical Microbiology) DATE: 2008
VOLUME: 57 NUMBER: 6 PAGES: 725-731 CODEN: JMMAV ISSN: 0022-2615
LANGUAGE: English PUBLISHER: Society for General Microbiology

18/3, K/15 (Item 6 from file: 399)
DI ALCG(R) File 399: CA SEARCH(R)
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148160875 CA: 148(8) 160875s JOURNAL
Detection of a Genetic Linkage Between Genes Coding for Resistance to Tetracycline and Erythromycin in Clostridium difficile
AUTHOR(S): Spigaglia, Patrizia; Barbanti, Fabrizio; Mastранtonio, Paola
LOCATION: Department of Infectious, Parasitic and Immuno-medical Diseases, Istituto Superiore di Sanita, Rome, Italy
JOURNAL: Microb. Drug Resist. (New Rochelle, NY, U. S.) (Microbial Drug Resistance) DATE: 2007 VOLUME: 13
NUMBER: 2 PAGES: 90-95 CODEN: MDREFJ ISSN: 1076-6294 LANGUAGE: English
PUBLISHER: Mary Ann Liebert, Inc.

18/3, K/16 (Item 7 from file: 399)
DI ALCG(R) File 399: CA SEARCH(R)
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142370605 CA: 142(20) 370605f JOURNAL
Comparative analysis of Clostridium difficile clinical isolates belonging to different genetic lineages and time periods
AUTHOR(S): Spigaglia, Patrizia; Mastранtonio, Paola
LOCATION: Department of Infectious, Parasitic and Immunomedical Diseases, Istituto Superiore di Sanita, 00161, Rome, Italy
JOURNAL: J. Med. Microbiol. (Journal of Medical Microbiology) DATE: 2004
VOLUME: 53 NUMBER: 11 PAGES: 1129-1136 CODEN: JMMAV ISSN: 0022-2615
LANGUAGE: English PUBLISHER: Society for General Microbiology

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18/3, K/17 (Item 8 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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139208372 CA: 139(14) 208372u JOURNAL

Evaluation of repetitive element sequence-based PCR as a molecular typing method for Clostridium difficile

AUTHOR(S): Spigaglia, Patrizia; Mastrantonio, Paola

LOCATION: Bacteriology and Medical Mycology Laboratory, Istituto

Superiore di Sanita, Rome, Italy

JOURNAL: J. Clin. Microbiol. (Journal of Clinical Microbiology) DATE:

2003 VOLUME: 41 NUMBER: 6 PAGES: 2454-2457 CODEN: JCM DW ISSN:

0095-1137 LANGUAGE: English PUBLISHER: American Society for Microbiology

18/3, K/18 (Item 9 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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138118102 CA: 138(9) 118102f JOURNAL

Molecular analysis of the pathogenicity locus and polymorphism in the putative negative regulator of toxin production (TcdC) among Clostridium difficile clinical isolates

AUTHOR(S): Spigaglia, Patrizia; Mastrantonio, Paola

LOCATION: Laboratory of Bacteriology and Medical Mycology, Istituto

Superiore di Sanita, Rome, Italy

JOURNAL: J. Clin. Microbiol. (Journal of Clinical Microbiology) DATE:

2002 VOLUME: 40 NUMBER: 9 PAGES: 3470-3475 CODEN: JCM DW ISSN:

0095-1137 LANGUAGE: English PUBLISHER: American Society for Microbiology

18/3, K/19 (Item 10 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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137152196 CA: 137(11) 152196d JOURNAL

Analysis of macrolide-lincosamide-streptogramin B (MLS_B) resistance determinant in strains of Clostridium difficile

AUTHOR(S): Spigaglia, Patrizia; Mastrantonio, Paola

LOCATION: Laboratory of Bacteriology and Medical Mycology, Istituto

Superiore di Sanita, Rome, Italy

JOURNAL: Microb. Drug Resist. (Larchmont, NY, U.S.) (Microbial Drug

Resistance (Larchmont, NY, United States)) DATE: 2002 VOLUME: 8 NUMBER:

1 PAGES: 45-53 CODEN: MDREFJ ISSN: 1076-6294 LANGUAGE: English

PUBLISHER: Mary Ann Liebert, Inc.

18/3, K/20 (Item 11 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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137045065 CA: 137(4) 45065p JOURNAL

Binding of Clostridium difficile to Caco-2 epithelial cell line and to extracellular matrix proteins

AUTHOR(S): Cerquetti, Marina; Serafino, Annalucia; Sebastianelli,

Annisa; Mastrantonio, Paola

LOCATION: Laboratory of Bacteriology and Medical Mycology, Istituto

Superiore di Sanita, 00161, Rome, Italy

JOURNAL: FEMS Immunol. Med. Microbiol. (FEMS Immunology and Medical

Microbiology) DATE: 2002 VOLUME: 32 NUMBER: 3 PAGES: 211-218 CODEN:

FIMEV ISSN: 0928-8244 PUBLISHER ITEM IDENTIFIER: 0928-8244(01)00301-7

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LANGUAGE: Engl i sh PUBLI SHER: El sevi er Sci ence B. V.

18/ 3, K/ 21 (Item 12 from file: 399)

DI ALCG(R) Fi le 399: CA SEARCH(R)

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135043236 CA: 135(4) 43236e JOURNAL

Mb l ecul ar and genomic anal ysis of genes encodi ng surface-anchored
pro tei ns from Clostridi um diffi cile

AUTHOR(S): Karjalai nen, Tuomo; Waligora-Dupri et, Anne-Judit h; Cerquetti,
Marina; Spigaglia, Patrizia; Maggioli, Andre a; Mauri, Pierluigi;
Mastrantoni o, Paola

LOCATI ON: Dep. M crobi ol ., Fac. Pharm , Uhi versite de Paris- Sud, 92296,
Chatenay-Mal abry, Fr.

JOURNAL: Infect . Immun. DATE: 2001 VOLUME: 69 NUMBER: 5 PAGES:
3442- 3446 CODEN: INFIBR ISSN: 0019- 9567 LANGUAGE: Engl i sh PUBLI SHER:
American Soci ety for M crobi ology

18/ 3, K/ 22 (Item 13 from file: 399)

DI ALCG(R) Fi le 399: CA SEARCH(R)

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133346858 CA: 133(25) 346858j JOURNAL

Char acterization of surface layer pro tei ns from di ffer ent Clostridi um
diffi cile clinical isolates

AUTHOR(S): Cerquetti, Marina; Mlinari , Agnese; Sebastiani, Annalisa;
Doci ai uti, Marco; Petruzzelli, Raffael e; Capo, Concetta; Mastrantoni o,
Paola

LOCATI ON: Department of Bacteriology and Medi cal Mycol ogy, Istituto
Superiore di Sanita, 00161, Rome, Italy

JOURNAL: M crob. Pat hog. DATE: 2000 VOLUME: 28 NUMBER: 6 PAGES:
363- 372 CODEN: MPAEV ISSN: 0882- 4010 LANGUAGE: Engl i sh PUBLI SHER:
Academ ic Press

18/ 3, K/ 23 (Item 14 from file: 399)

DI ALCG(R) Fi le 399: CA SEARCH(R)

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126168853 CA: 126(13) 168853z JOURNAL

Clostridi um diffi cile: an update on virulence mechani sms

AUTHOR(S): Mastrantoni o, Paola; Pantosti, Annalisa; Cerquetti, Marina;
Fior entini, Carla; Donelli, Gianfranco

LOCATI ON: Labor atory of Bacteriology and Medi cal Mycol ogy, Istituto
Superiore di Sanita, 00161, Rome, Italy

JOURNAL: Anaerobe DATE: 1996 VOLUME: 2 NUMBER: 6 PAGES: 337- 343
CODEN: ANAEF8 ISSN: 1075- 9964 LANGUAGE: Engl i sh PUBLI SHER: Academic

18/ 3, K/ 24 (Item 15 from file: 399)

DI ALCG(R) Fi le 399: CA SEARCH(R)

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125296686 CA: 125(23) 296686p JOURNAL

Clostridi um diffi cile and its surface pro tei ns

AUTHOR(S): Mastrantoni o, Paola; Pantosti, Annalisa; Cerquetti, Marina;
Mlinari , Agnese; Gelsi a, Antonella; Donelli, Gianfranco

LOCATI ON: Dept. of Bacteriology and Medi cal Mycol ogy, Istituto Superiore
di Sanita, 00161, Rome, Italy

JOURNAL: M krookol . Ther . DATE: 1995 VOLUME: 23 NUMBER: Bei traege zum
XVII. International en Symposium fuer M krobi el le Oekologie und

I act at edehydr ogenasecl ostr i di um t xt
Krankheit en, 1993 PAGES: 94-101 CODEN: M THE4 ISSN: 0720-0536
LANGUAGE: English

18/3, K/25 (Item 16 from file: 399)
DI ALCG(R) File 399: CA SEARCH(R)
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118231813 CA: 118(23) 231813p JOURNAL
Purification and characterization of an immunodominant 36 kD antigen present on the cell surface of Clostridium difficile
AUTHOR(S): Cerquetti, Marina; Pantosti, Annalisa; Stefanelli, Paola;
Mastrantonio, Paola
LOCATION: Lab. Med. Bacteriol. Mycol., Inst. Super. Sanita, Rome, Italy
JOURNAL: Microb. Pathog. DATE: 1992 VOLUME: 13 NUMBER: 4 PAGES: 271-9
CODEN: MPAEV ISSN: 0882-4010 LANGUAGE: English

18/3, K/26 (Item 17 from file: 399)
DI ALCG(R) File 399: CA SEARCH(R)
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118185505 CA: 118(19) 185505q CONFERENCE PROCEEDING
Cytotoxicity of Clostridium difficile toxin A on a rat intestinal cell line
AUTHOR(S): Donelli, Gianfranco; Fiorentini, Carla; Mastrantonio, Paola;
Thelstam, Monica
LOCATION: Dep. Ultrastruct., Ist. Super. Sanita', 00161, Rome, Italy
JOURNAL: Recent Adv. Toxins., (World Conf. Anim. Plant Microb. Toxin), 10th EDITOR: Gopalakrishnakone, P. (Ed), Tan, Choon Kim (Ed),
DATE: 1992 VOLUME: 3, PAGES: 406-20 CODEN: 58UAAH LANGUAGE: English
PUBLISHER: Natl. Univ. Singapore, Venom Toxin Res. Group, Singapore
Singapore

18/3, K/27 (Item 18 from file: 399)
DI ALCG(R) File 399: CA SEARCH(R)
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117084941 CA: 117(9) 84941c JOURNAL
Clostridium difficile toxin A induces multinucleation in the human leukemic T cell line JURKAT
AUTHOR(S): Fiorentini, Carla; Chow, Sek Chen; Mastrantonio, Paola;
Jeddi-Tehrani, Mahmood; Thelstam, Monica
LOCATION: Dep. Ultrastruct., Ist. Super. Sanita, Rome, Italy
JOURNAL: Eur. J. Cell Biol. DATE: 1992 VOLUME: 57 NUMBER: 2 PAGES: 292-7 CODEN: EJCBDN ISSN: 0171-9335 LANGUAGE: English

18/3, K/28 (Item 1 from file: 149)
DI ALCG(R) File 149: TGG Health&Wellness DB(SM)
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02938821 SUPPLIER NUMBER: 98250052 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Invasive type A haemophilus influenzae disease in Italy. (Disparities).
Cerquetti, Marina; degli Atti, Marta Luisa Ciolfi; Cardenes, Rita; Salmaso,
Stefania; Renna, Giovanna; Mastrantonio, Paola
Emerging Infectious Diseases, 9, 2, 258(4)
Feb,
2003

PUBLICATION FORMAT: Magazine/Journal ISSN: 1080-6040 LANGUAGE: English
RECORD TYPE: Full Text TARGET AUDIENCE: Academic; Professional
WORD COUNT: 2993 LINE COUNT: 00273

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... Mastrantoni, Paola
... 2001). Her research interests include investigations on mechanisms of pathogenesis in *H. influenzae* and *Clostridium difficile*.
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Ref	Items	Index-term
E1	3	AU=BURNI E, J. P.
E2	4	AU=BURNI E, J*
E3	0	* AU=BURNI E, J?
E4	22	AU=BURNI E, JAMES
E5	2	AU=BURNI E, JAMES P
E6	3	AU=BURNI E, JAMES P (ED)
E7	13	AU=BURNI E, JAMES P.
E8	21	AU=BURNI E, JAMES PETER
E9	64	AU=BURNI E, JP
E10	6	AU=BURNI E, JP*
E11	2	AU=BURNI E, KL
E12	2	AU=BURNI E, N.

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20/3, K1 (Item 1 from file: 399)
DI ALCG(R) Fi le 399: CA SEARCH(R)
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144127496 CA: 144(8)127496p PATENT
Treatment of bacterial infections via inhibition of acetyl-CoA
acetyltransferase

INVENTOR(AUTHOR): Bur ni e, James Peter; Mat thews, Ruth Christine; Carter,
Tr acey

LOCATI ON: UK,

ASSI GNEE: Neut ec Pharma PLC

PATENT: PCT International ; WO 200603426 A1 DATE: 20060112

APPLI CATI ON: WO 2005GB2607 (20050701) *GB 200414886 (20040702)

PAGES: 59 pp. CODEN: PI XXD2 LANGUAGE: Engl i sh

PATENT CLASSIFI CATI ONS:

CLASS: C07K-016/12A; A61K-039/395B

DESI GNATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;

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BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;
GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KP; KR; KZ; LC; LK; LR;
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ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM

20/3, K/2 (Item 2 from file: 399)
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141394083 CA: 141(24)394083q PATENT
Antibody repertoire against Clostridium difficile

INVENTOR(AUTHOR): Burnie, James Peter; Matthews, Ruth Christine
LOCATION: UK,

ASSIGNEE: Neutec Pharma PLC

PATENT: PCT International ; WO 200494474 A1 DATE: 20041104

APPLICATION: WO 2004GB1619 (20040414) *GB 20039126 (20030417)

PAGES: 91 pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: C07K-016/12A; A61K-039/40B; C12Q-001/68B; G01N-033/563B
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GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KM; KP; KR; KZ; LC; LK; LR; LS;
LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;
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UZ; VC; VN; YU; ZA; ZM; ZW DESI GNATED REGI ONAL: BW; GH; GM; KE; LS; MW; MZ
; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE;
BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PL;
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SN; TD; TG

20/3, K/3 (Item 3 from file: 399)
DI ALCG(R) File 399: CA SEARCH(R)
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141291235 CA: 141(18)291235m PATENT

Protein and cDNA sequences of a novel Clostridium difficile lactate dehydrogenase and diagnostic and therapeutic use for bacterial infection
INVENTOR(AUTHOR): Burnie, James Peter; Matthews, Ruth Christine
LOCATION: UK,

ASSIGNEE: Neutec Pharma PLC

PATENT: PCT International ; WO 200485637 A1 DATE: 20041007

APPLICATION: WO 2004GB1383 (20040325) *GB 20036782 (20030325)

PAGES: 42 pp. CODEN: PI XXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: C12N-009/02A
DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;
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; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE;
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SN; TD; TG

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E5	2	AU=MATTHEWS, RA JR
E6	2	AU=MATTHEWS, RA*
E7	10	AU=MATTHEWS, RACHEL
E8	2	AU=MATTHEWS, RACHEL NI COLLE
E9	2	AU=MATTHEWS, RALPH
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E50 1 AU=MATTHEWS, REGINALD JAMES
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E2 43 AU=MATTHEWS, RENEE
E3 1 AU=MATTHEWS, RETHA
E4 1 AU=MATTHEWS, REX DALE
E5 7 AU=MATTHEWS, RF
E6 1 AU=MATTHEWS, RF*
E7 67 AU=MATTHEWS, RG
E8 33 AU=MATTHEWS, RG*
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E15 2 AU=MATTHEWS, RI
E16 24 AU=MATTHEWS, RI CHARD
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E19 1 AU=MATTHEWS, RI CHARD ALLEN
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E42	2	AU=MATTHEWS,	RI CK
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E6	3	AU=MATTHEWS, ROBERT B.
E7	21	AU=MATTHEWS, ROBERT C.
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E18	3	AU=MATTHEWS, ROBERT J
E19	3	AU=MATTHEWS, ROBERT J.
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E21	1	AU=MATTHEWS, ROBERT L
E22	5	AU=MATTHEWS, ROBERT L.
E23	1	AU=MATTHEWS, ROBERT LENES
E24	2	AU=MATTHEWS, ROBERT MARK

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E28	1	AU=MATTHEWS, ROBERT PAUL, JR.
E29	1	AU=MATTHEWS, ROBERT R

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E34	1	AU=MATTHEWS,	ROBERT STANLEY
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E46	1	AU=MATTHEWS, ROBERTA MAE COWAN
E47	1	AU=MATTHEWS, ROBERTA SEGAL
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E9	3	AU=MATTHEWS, ROBLEY K.
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E5	1	AU=MATTHEWS, ROY S.
E6	1	AU=MATTHEWS, ROY THOMAS
E7	1	AU=MATTHEWS, ROY WALLACE, III
E8	6	AU=MATTHEWS, RP
E9	5	AU=MATTHEWS, RR
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E29	13	AU=MATTHEWS, RUTH C.
E30	17	AU=MATTHEWS, RUTH CHRI STI NE
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E36	1	AU=MATTHEWS, RYAN

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DI ALOG(R) Fi le 399: CA SEARCH(R)

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I act at edehydr ogenasecl ostr i di um t xt
144127496 CA: 144(8)127496p PATENT
Treatment of bacterial infections via inhibition of acetyl-CoA
acetyltransferase
INVENTOR(AUTHOR): Burnie, James Peter; Matthews, Ruth Christine; Carter,
Tracey

LOCATI ON: UK,
ASSI GNEE: Neut ec Pharma PLC
PATENT: PCT International ; WO 200603426 A1 DATE: 20060112
APPLI CATI ON: WO 2005GB2607 (20050701) * GB 200414886 (20040702)
PAGES: 59 pp. CODEN: PI XXD2 LANGUAGE: Engl i sh
PATENT CLASSIFI CATI ONS:

CLASS: C07K- 016/ 12A; A61K- 039/ 395B
DESI GNATED COUNTRI ES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI ; GB; GD;
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23/ 3, K/ 2 (Item 2 from file: 399)
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141394083 CA: 141(24)394083q PATENT
Ant i body reperto i re agai nst Clostridi um difficile
INVENTOR(AUTHOR): Burnie, James Peter; Matthews, Ruth Christine
LOCATI ON: UK,
ASSI GNEE: Neut ec Pharma PLC
PATENT: PCT International ; WO 200494474 A1 DATE: 20041104
APPLI CATI ON: WO 2004GB1619 (20040414) * GB 20039126 (20030417)
PAGES: 91 pp. CODEN: PI XXD2 LANGUAGE: Engl i sh
PATENT CLASSIFI CATI ONS:
CLASS: C07K- 016/ 12A; A61K- 039/ 40B; C12Q- 001/ 68B; G01N- 033/ 563B
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PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;
UZ; VC; VN; YU; ZA; ZM; ZW DESI GNATED REGI ONAL: BW; GH; GM; KE; LS; MW; MZ
; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE;
BG; CH; CY; CZ; DE; DK; EE; ES; FI ; FR; GB; GR; HU; I E; IT; LU; MC; NL; PL;
PT; RO; SE; SI ; SK; TR; BF; BJ; CF; CG; CI ; CM; GA; GN; GQ; GW; ML; MR; NE;
SN; TD; TG

23/ 3, K/ 3 (Item 3 from file: 399)
DI ALG(R) Fi le 399: CA SEARCH(R)
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141291235 CA: 141(18)291235m PATENT
Protein and cDNA sequences of a novel Clostridi um difficile lactate
dehydrogenase and diagnostic and therapeutic use for bacterial infection
INVENTOR(AUTHOR): Burnie, James Peter; Matthews, Ruth Christine
LOCATI ON: UK,
ASSI GNEE: Neut ec Pharma PLC
PATENT: PCT International ; WO 200485637 A1 DATE: 20041007
APPLI CATI ON: WO 2004GB1383 (20040325) * GB 20036782 (20030325)
PAGES: 42 pp. CODEN: PI XXD2 LANGUAGE: Engl i sh

I act at edehydr ogenasecl ostr i di um t xt

PATENT CLASSIFICATION:

CLASS: C12N-009/02A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;
GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS;
LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;
UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ
; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE;
BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PL;
PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE;
SN; TD; TG

23/3, K/4 (Item 4 from file: 399)

DI ALCG(R) File 399: CA SEARCH(R)

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105131784 CA: 105(15)131784t JOURNAL

Immunoblotting to demonstrate antigenic and immunogenic differences among nine standard strains of Clostridium difficile

AUTHOR(S): Heard, Shelly R.; Rasmussen, Barbara; Matthews, Ruth C.; Tabaqchali, Soad

LOCATION: Dep. Med. Microbiol., St. Bartholomew's Hosp. Med. Coll., London, UK, EC1A 7BE

JOURNAL: J. Clin. Microbiol. DATE: 1986 VOLUME: 24 NUMBER: 3 PAGES: 384-7 CODEN: JCM DW ISSN: 0095-1137 LANGUAGE: English
? ds

Set	Items	Description
S1	116	E1-E8
S2	11	S1 AND ((DIFCILE) OR (CLOSTRIDIUM(W) DIFCILE))
S3	9	RD (unique items)
S4	0	S3 AND 36(W)KDA
S5	1	S3 AND 36
S6	592	E2-E11
S7	72	S6 AND DIFCILE
S8	21	RD (unique items)
S9	1	S8 AND 36
S10	50	AU='STEFANELLI, PAOLA'
S11	32	RD (unique items)
S12	1	S11 AND DIFCILE
S13	111	AU='MASTRANTONIO, PAOLA'
S14	0	AU='MASTRANTONIO, PAOLA' AND AU='MASTRANTONI S N'
S15	0	AU='MASTRANTONIO, PAOLA' AND AU='MASTRANTONIO, STEFANIA'
S16	111	AU='MASTRANTONIO, PAOLA'
S17	42	S16 AND DIFCILE
S18	28	RD (unique items)
S19	67	E1-E8
S20	3	S19 AND DIFCILE
S21	92	E26-E33
S22	4	S21 AND DIFCILE
S23	4	RD (unique items)

? s difficult and dehydrogenase

Processing

Processed 30 of 50 files ...

Completed processing all files

350 DIFCILE

1126924 DEHYDROGENASE

S24 3 DIFCILE AND DEHYDROGENASE

? rd

>>>Duplicate detection is not supported for File 393.

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>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
Processed 40 of 50 files ...

S25 3 RD (unique items)
? t s25/3, k/1-3

>>>KWC option is not available in file(s): 399

25/3, K/1 (Item 1 from file: 5)
DI ALCG(R) File 5: Biosis Previews(R)
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0019664088 BIOSIS NO.: 200700323829

Performance of TechLab C. DIFF CHECK (TL-Ag) in combination with C-difficile Tox A/B II (TL-Tox), triage C-difficile panels (Tr-Ag, , and Tr-Tox), and a cytotoxin assay (CTA) for the diagnosis of C-difficile-associated diarrhea (CDAD)

AUTHOR: Hussain Z (Reprint); Snel I H; Ramos M; Longo S; John M A

AUTHOR ADDRESS: London Health Sci Ctr, London, ON, Canada**Canada

JOURNAL: Abstracts of the General Meeting of the American Society for Microbiology 104 p179-180 2004 2004

CONFERENCE/MEETING: 104th General Meeting of the American Society for Microbiology New Orleans, LA, USA May 23 -27, 2004; 20040523

SPONSOR: Amer Soc Microbiol

ISSN: 1060-2011

DOCUMENT TYPE: Meeting; Meeting Abstract

RECORD TYPE: Citation

LANGUAGE: English

... TL-Ag) in combination with C-difficile Tox A/B II (TL-Tox), triage C-difficile panels (Tr-Ag, , and Tr-Tox), and a cytotoxin assay (CTA) for the diagnosis of...

... REGISTRY NUMBERS: glutamate dehydrogenase

... ENZYME COMMISSION NUMBER: glutamate dehydrogenase

DESCRIPTIONS:

CHEMICALS & BIOCHEMICALS: ... glutamate dehydrogenase;

25/3, K/2 (Item 2 from file: 5)

DI ALCG(R) File 5: Biosis Previews(R)

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12398640 BIOSIS NO.: 199497419925

Clostridium difficile toxin A stimulates enzyme secretion from isolated rat pancreatic acini

AUTHOR: Malecka-Panas Ewa (Reprint); Triadafillopoulou George; Tsukamoto Hi dekazu; Howitt Geraldine; Pothoulaki Charalambos; Lamont Thomas

AUTHOR ADDRESS: Dep. Diag. Tract Dis. Metab. Disorders, Med. Sch., ul. Kopci nski ego 22, 90-153 Lodz, Poland**Poland

JOURNAL: Materia Medica Polona 25 (3-4): p127-131 1993 1993

ISSN: 0025-5246

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

Clostridium difficile toxin A stimulates enzyme secretion from isolated rat pancreatic acini

... REGISTRY NUMBERS: LACTATE DEHYDROGENASE;

DESCRIPTIONS:

CHEMICALS & BIOCHEMICALS: ... LACTATE DEHYDROGENASE;

MISCELLANEOUS TERMS: ... LACTATE DEHYDROGENASE;

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CONCEPT CODES:

25/3, K/3 (Item 1 from file: 73)
DI ALC(R) File 73: EMBASE
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0072886813 EMBASE No: 1985142229
12beta-Dihydroxylation of bile acids by Clostridium paraputrificum, C. tertium and C. difficile and epimerization at carbon-12 of deoxycholic acid by cocultivation with 12alpha-phenoxydehydrogenating Eubacterium lentum

Edenharder R.; Schneider J.
Institute of Hygiene, University of Mainz, D-6500 Mainz, Germany:
CORRESP. AUTHOR/AFFILI: Institute of Hygiene, University of Mainz, D-6500 Mainz, Germany

Applied and Environmental Microbiology (APPL. ENVIRON. MICROBIOOL.) (United States) August 7, 1985, 49/4 (964-968)

CODEN: AEMD ISSN: 0099-2240

DOCUMENT TYPE: Journal; Article RECORD TYPE: Abstract

LANGUAGE: English

12beta-Dihydroxylation of bile acids by Clostridium paraputrificum, C. tertium and C. difficile and epimerization at carbon-12 of deoxycholic acid by cocultivation with 12alpha-phenoxydehydrogenating Eubacterium lentum

...C. tertium and 1 strain of C. difficile, together with a 3alpha-phenoxy- and 3beta-hydroxysteroid dehydrogenase system in many strains. Redox reactions at C-12 substituted and tri-substituted bile acids were...

...intermediate was achieved by cocultivation of C. paraputrificum and Eubacterium lentum elaborating a 12alpha-phenoxyhydroxysteroid dehydrogenase only. In addition, epimerization at C-12 was demonstrated with mixed human fecal cultures.

DRUG DESCRIPTIONS:

*3(or 17)beta-hydroxysteroid dehydrogenase; *3alpha-phenoxyhydroxysteroid dehydrogenase; *bile acid

MEDICAL DESCRIPTIONS:

DRUG TERMS (UNCONTROLLED): 12alpha-phenoxyhydroxysteroid dehydrogenase; 12beta-hydroxysteroid dehydrogenase

CAS REGISTRY NO.: 9015-81-0 (3(or 17)beta-hydroxysteroid dehydrogenase); 9028-56-2 (3alpha-phenoxyhydroxysteroid dehydrogenase)